

What is claimed is:

1. A mobile phone having a keypad module and an LCM module, comprising:

a main printed circuit board, a first connector and a second connector being welded respectively onto a first predetermined location and a second predetermined location on the main printed board, a first reference power supply and a second reference power supply being provided respectively to said first connector and said second connector, said main printed circuit board being divided into a first portion corresponding to said keypad module and a second portion corresponding to said LCM module;

a holder, said holder comprising a space accommodating said LCM module, said holder comprising a slit at a predetermined location of said holder; and

a secondary printed circuit board for carrying a plurality of LEDs to provide a back light source, said secondary printed circuit board being disposed within said slit, said secondary printed circuit board comprising a first contact point and a second contact point, wherein said first contact point correspondingly contacts with said first connector and said second contact point correspondingly contacts with said second connector.

2. The mobile phone according to claim 1, wherein said first connector and said second connector are respectively welded onto said main printed

circuit board by means of a surface mounting technology (SMT).

3. The mobile phone according to claim 1, wherein said mobile phone further comprises an electro-luminescent sheet to provide another back light source.
4. The mobile phone according to claim 3, wherein said electro-luminescent sheet primarily comprises a first portion and a second portion, wherein said first portion of said main printed circuit board is covered by said first portion of said electro-luminescent sheet, said second portion of said electro-luminescent is disposed within said space of said holder, and said LCM module is located and disposed over said second portion of said electro-luminescent sheet.
5. A method for assembling a holder onto a main printed circuit board of a mobile phone, said mobile phone comprising a keypad module, an LCM module, said holder, and a secondary printed circuit board, said main printed circuit board comprising a first portion corresponding to said keypad module and a second portion corresponding to said LCM module, a space being provided in said holder to accommodate said LCM module, a slit being formed at a predetermined location of said holder, said secondary printed circuit board carrying a plurality of LEDs to provide a back light source, said secondary printed circuit board comprising a first contact point and a second contact point, the method comprising the following steps:

(1) welding, by a surface mounting technology, a first connector

and a second connector respectively onto a first predetermined location and a second predetermined location of said main printed circuit board;

(2) inserting said secondary printed circuit board within said slit of said holder;

(3) connecting said holder with said main printed circuit board in order to make said first contact point of said secondary printed circuit contact correspondingly with said first connector, and to make said second contact point of said secondary printed circuit contact correspondingly with said second connector.

6. The method according to claim 5, further comprising:

(4) providing an electro-luminescent sheet substantially including a first portion and a second portion; and

(5) covering over said first portion of said main printed circuit board by said first portion of said electro-luminescent sheet, and disposing said second portion of said electro-luminescent sheet within said space of said holder.